

FIG. 1

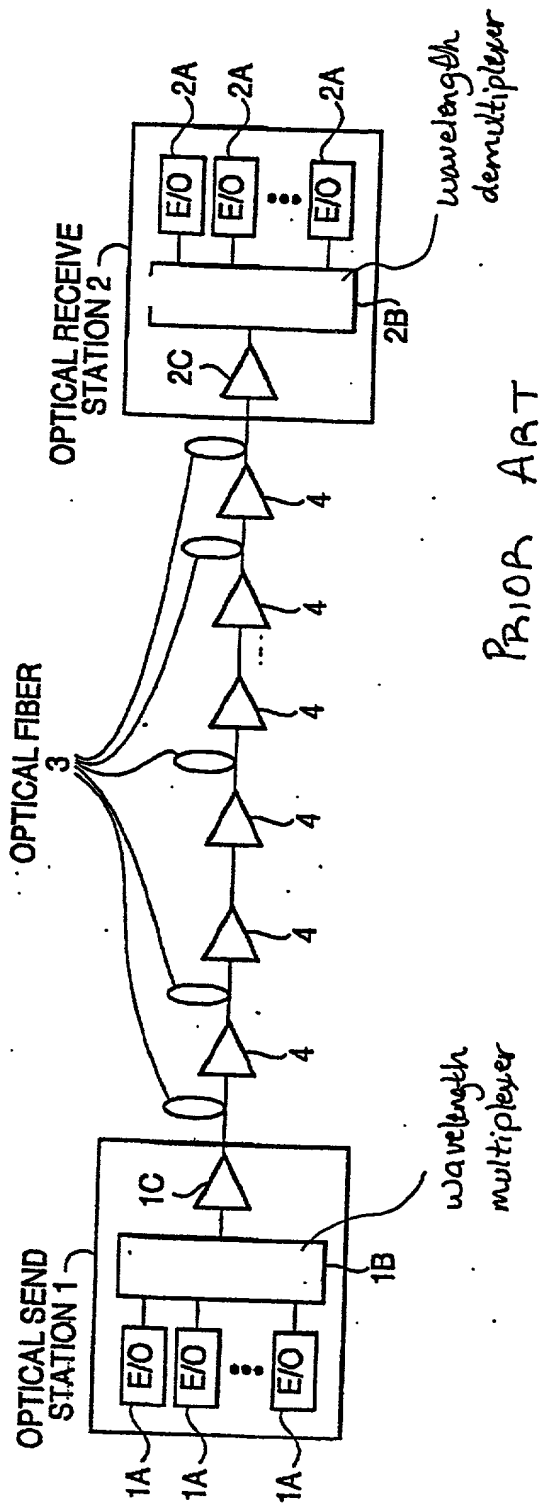
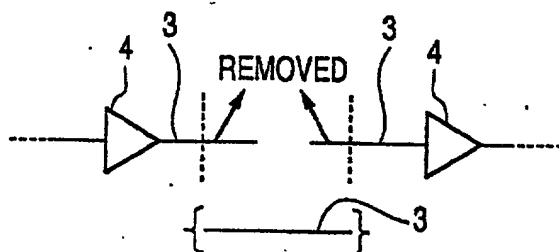


FIG. 2



INSERTED CABLE
(SAME AS THE TRANSMISSION LINE)

PRIOR ART

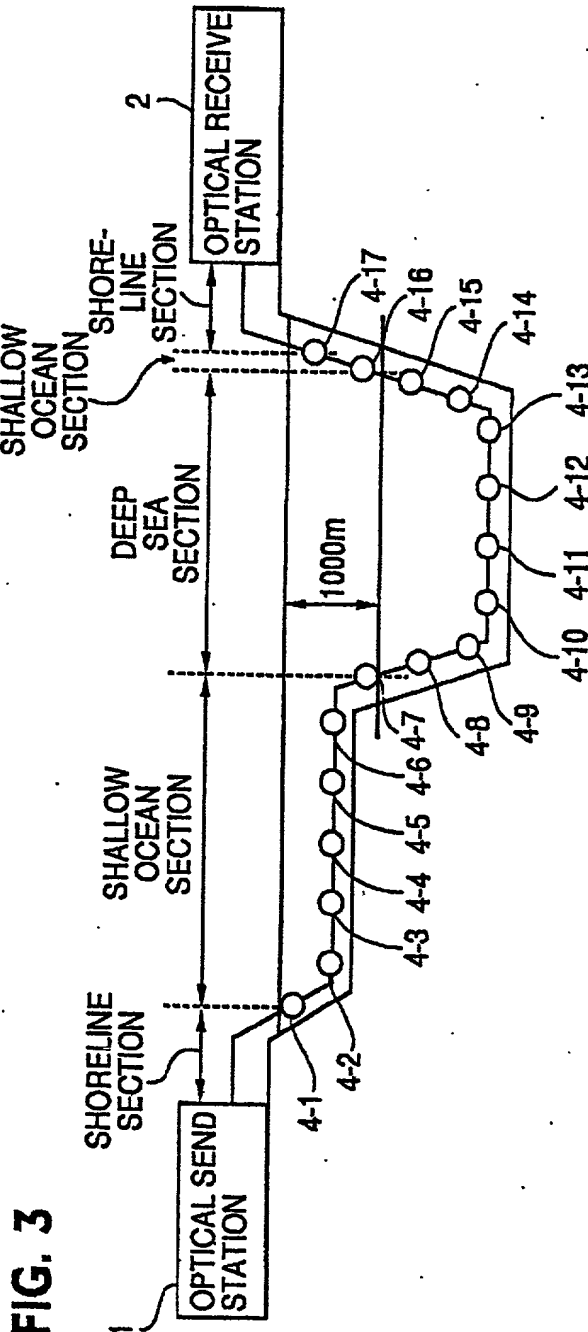


FIG. 3

Prior Art

FIG. 4

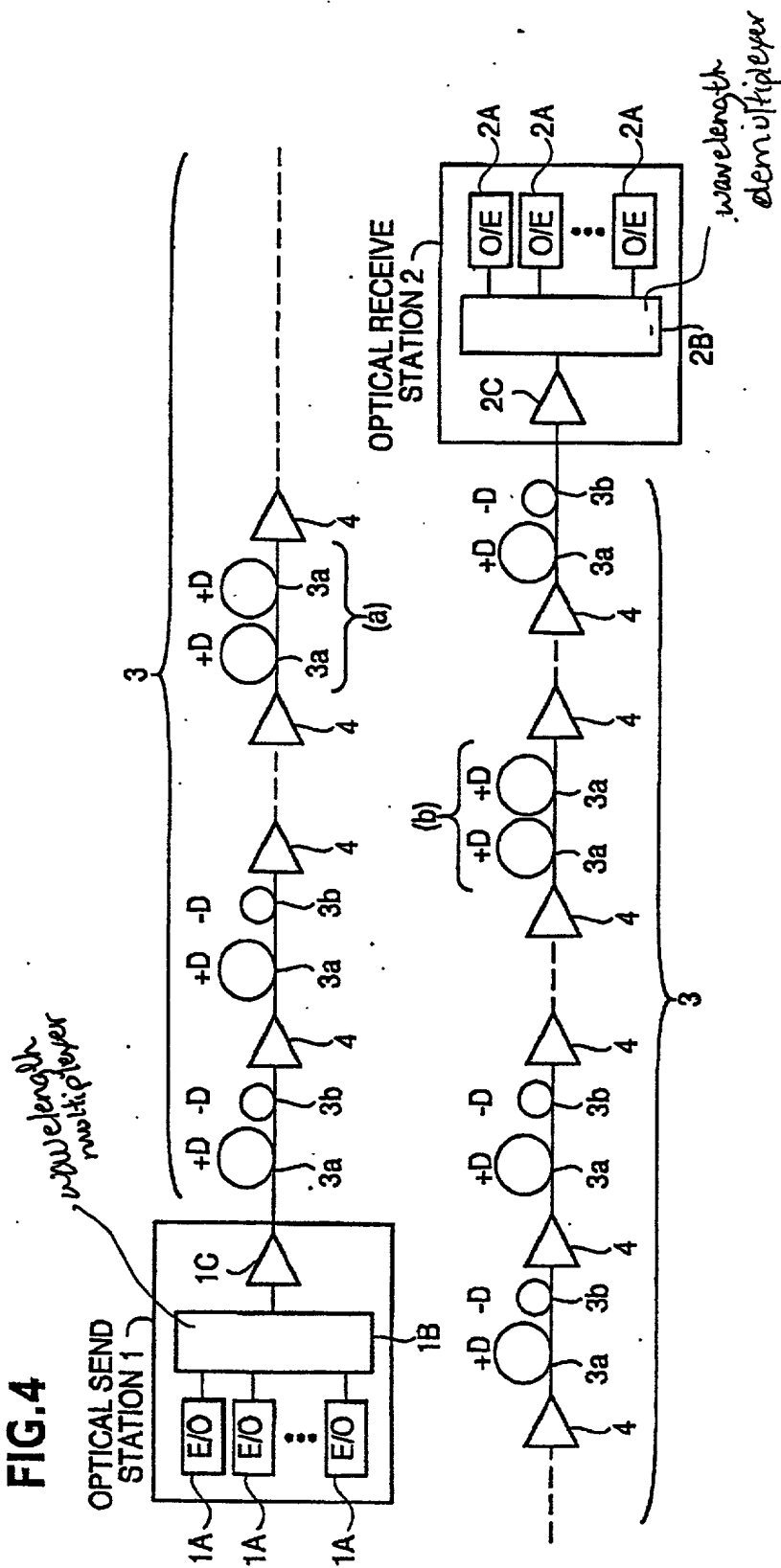


FIG. 5

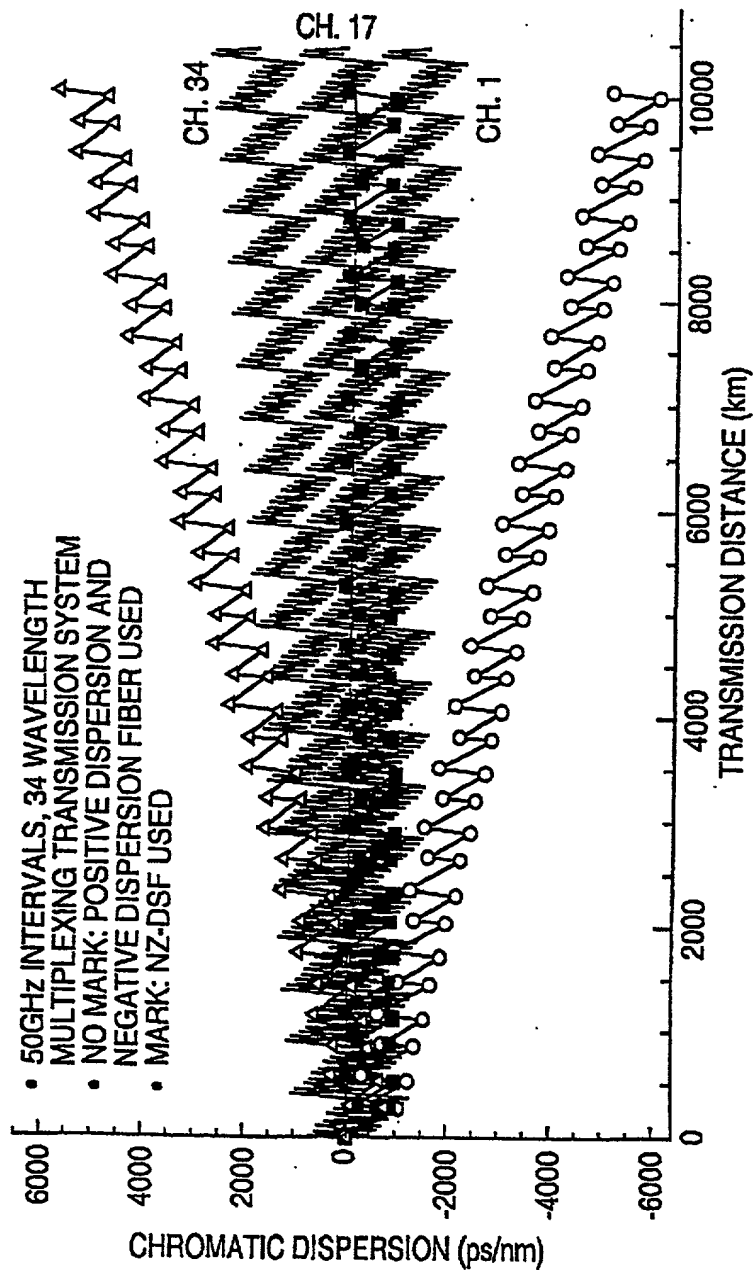


FIG. 6A

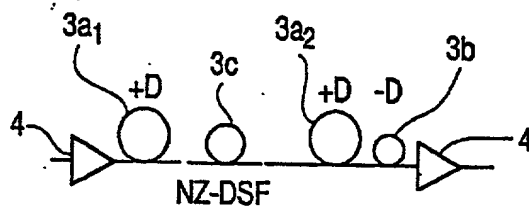


FIG. 6B

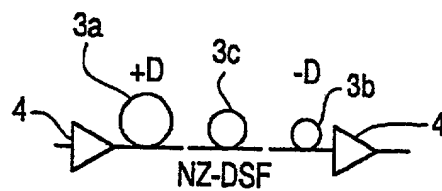
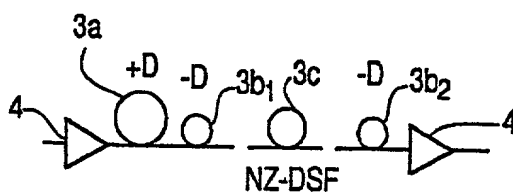
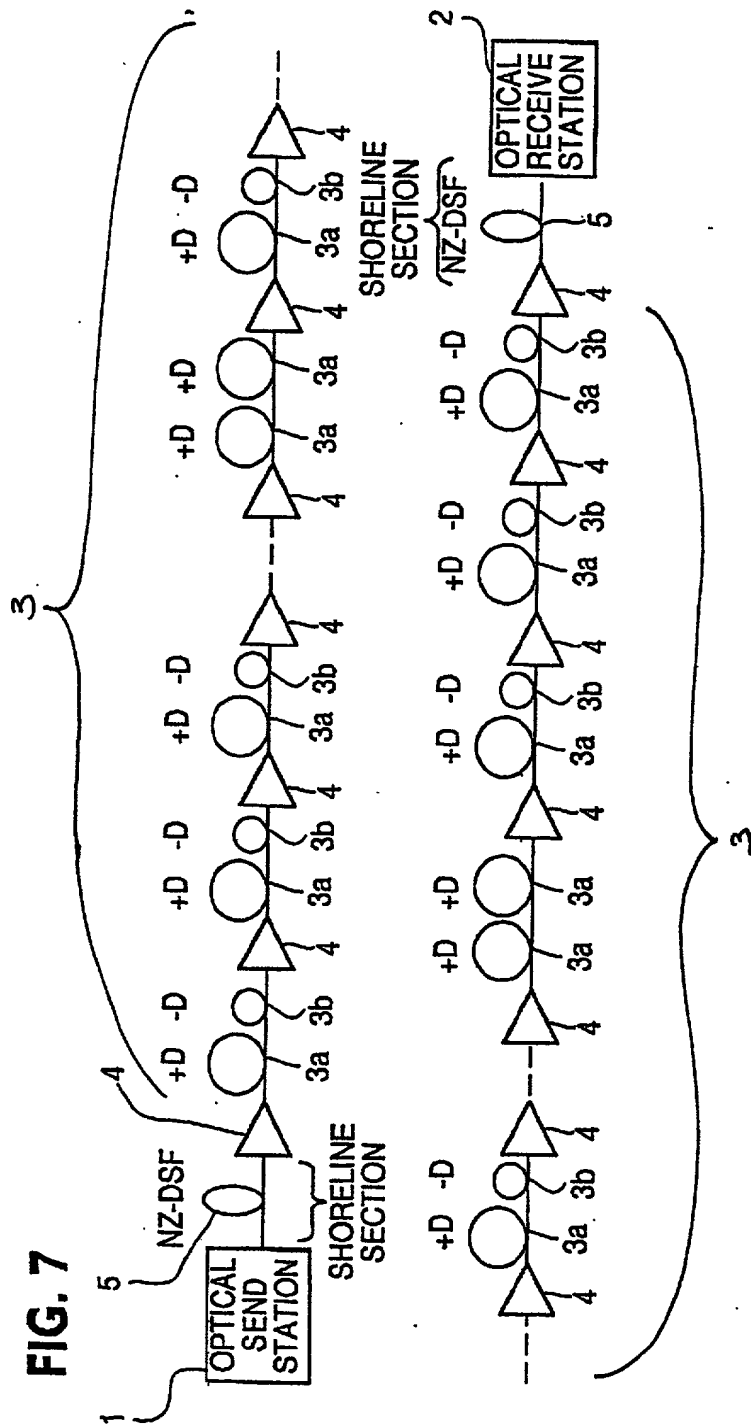


FIG. 6C





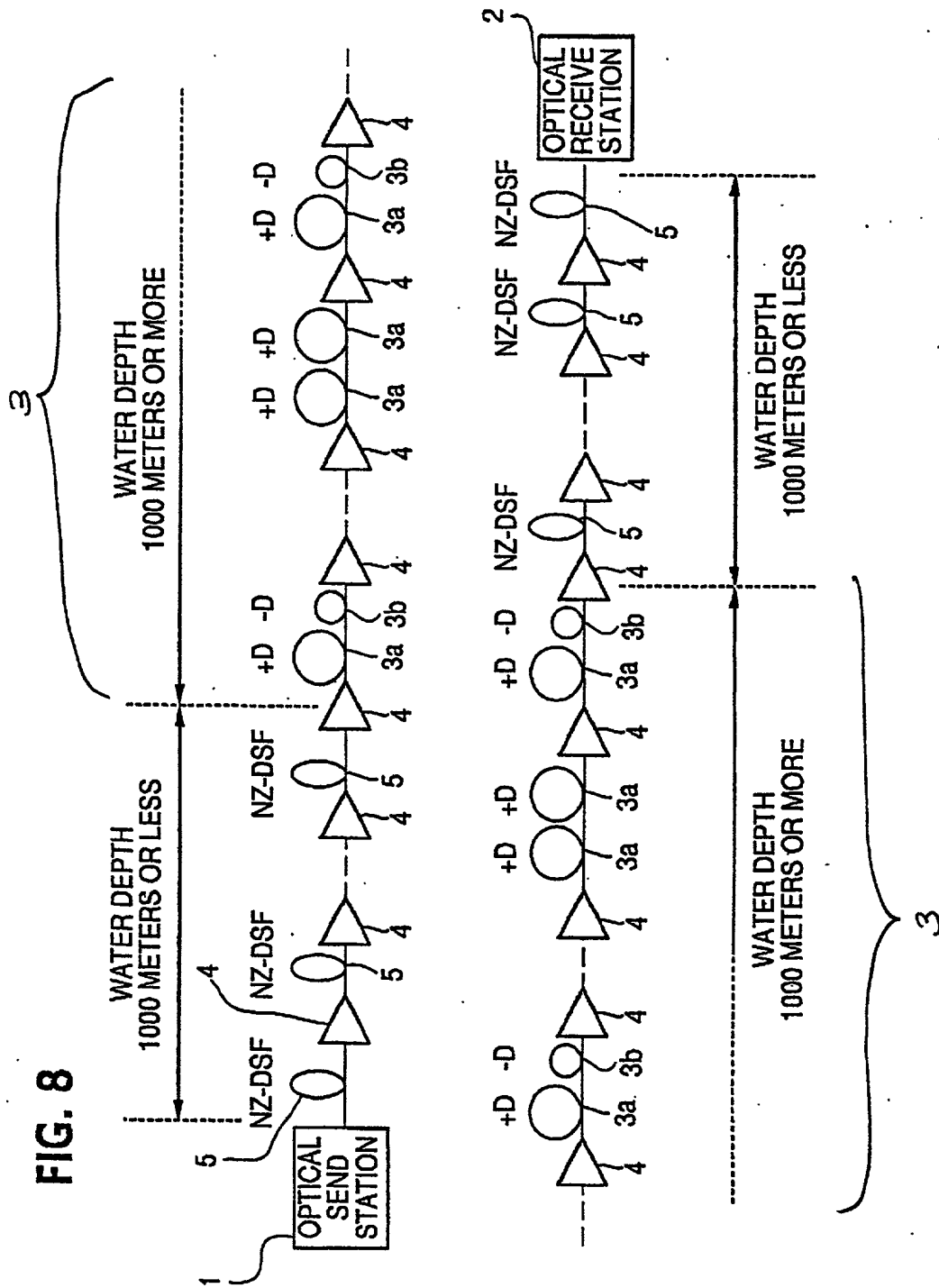


FIG. 9

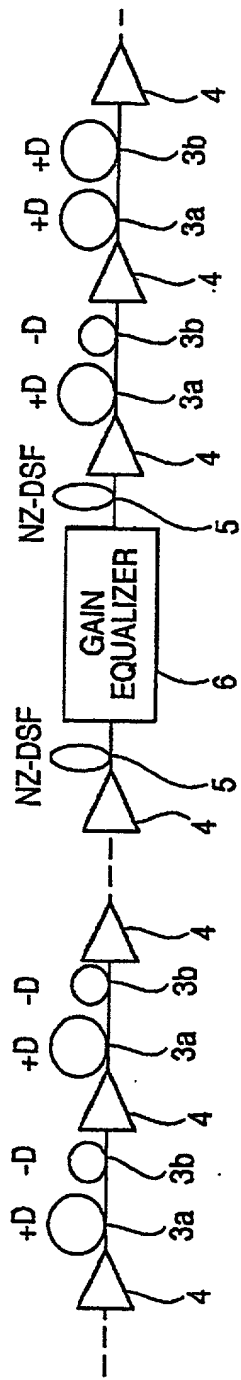


FIG. 10

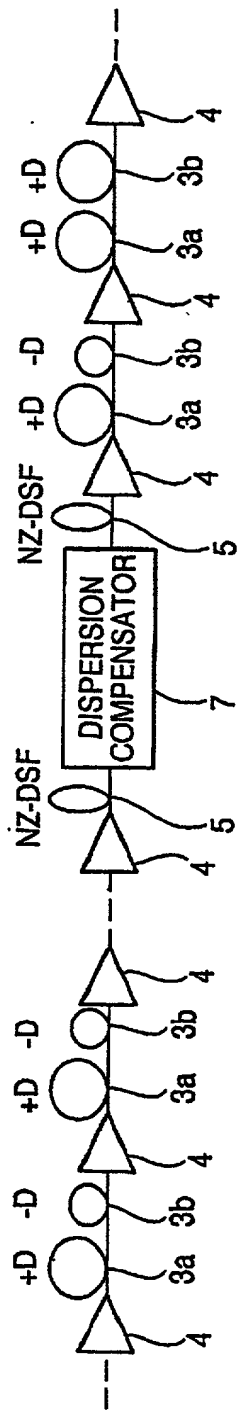
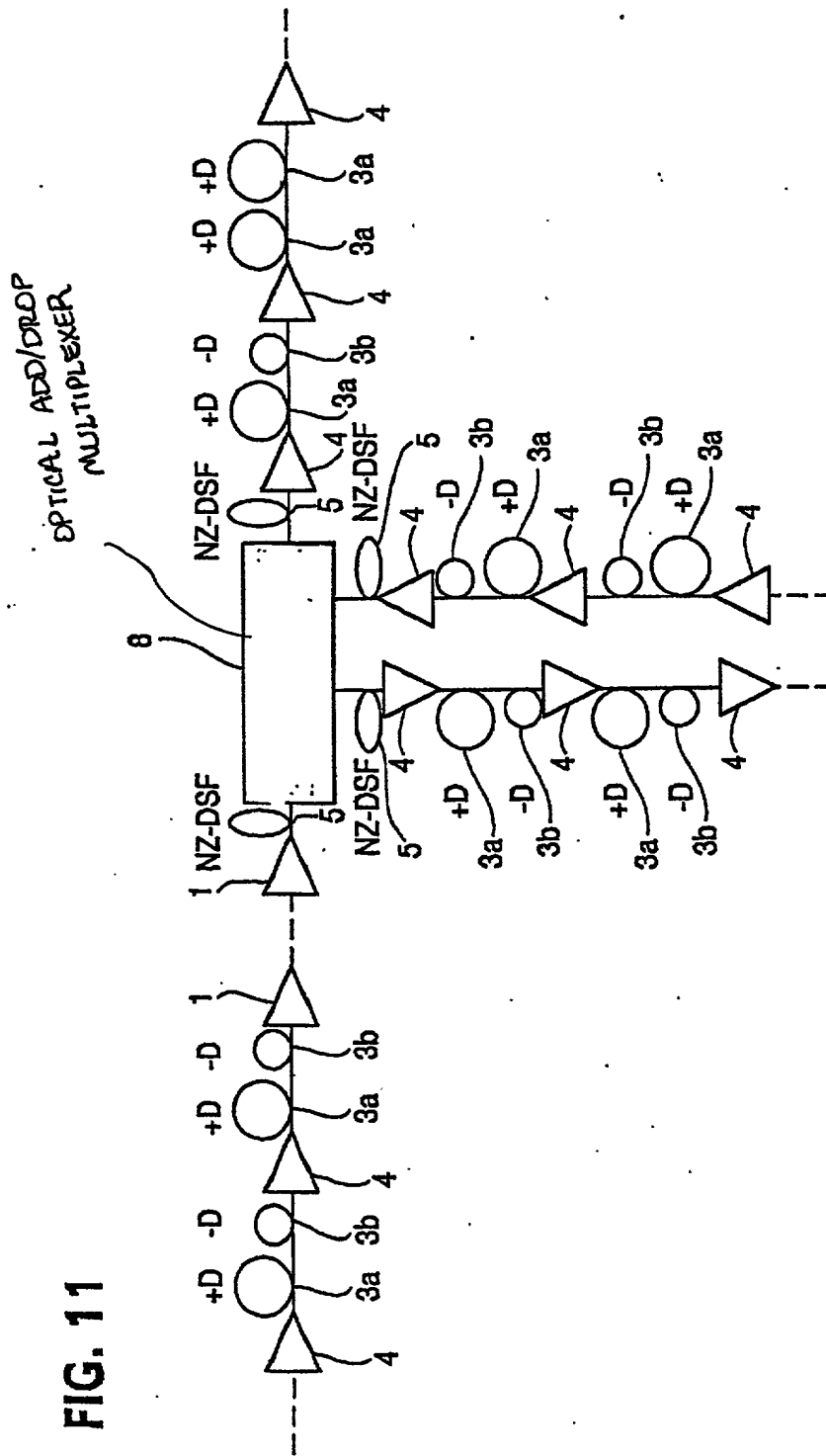


FIG. 11



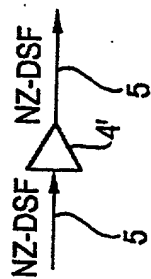


FIG. 12(A)

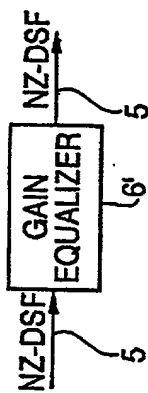


FIG. 12(B)

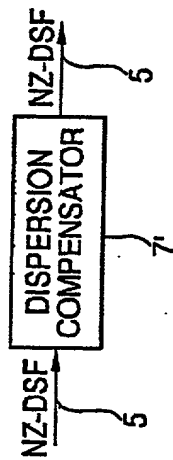


FIG. 12(C)

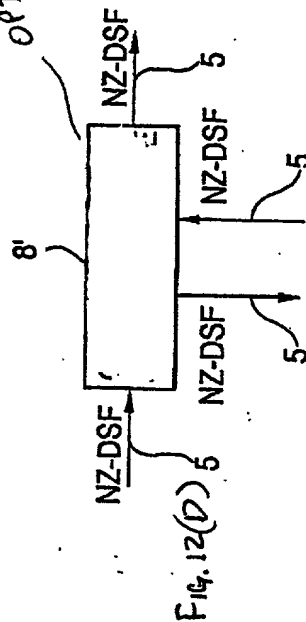


FIG. 12(D)

OPTICAL
ADD/ORDER
MULTIPLIER

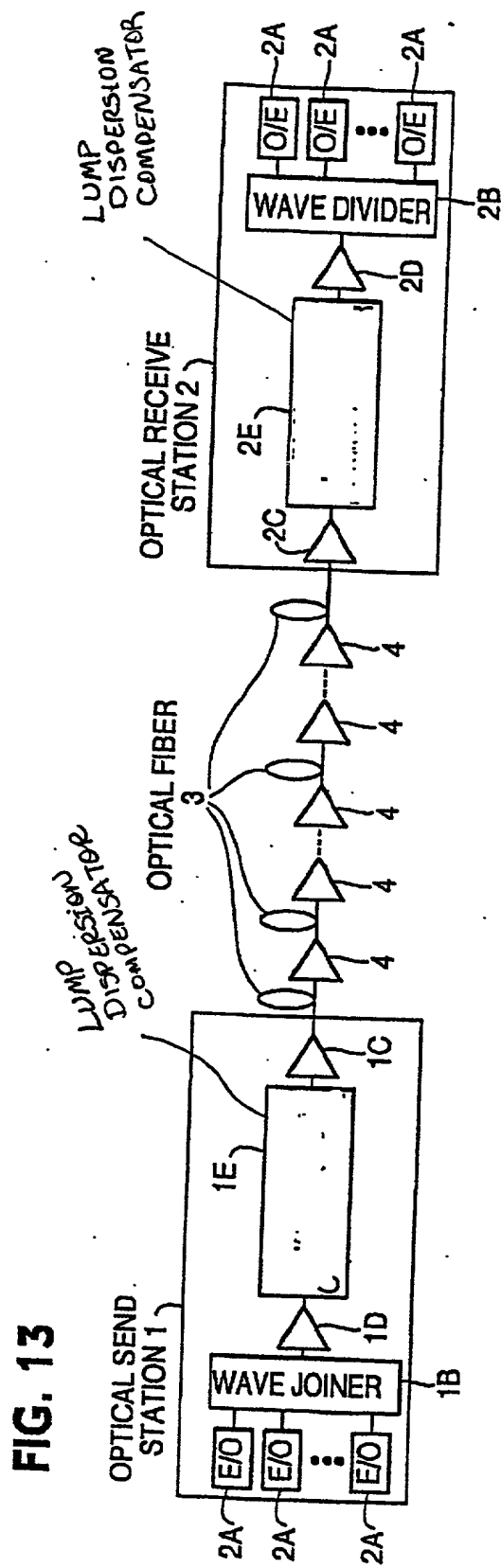


FIG. 14

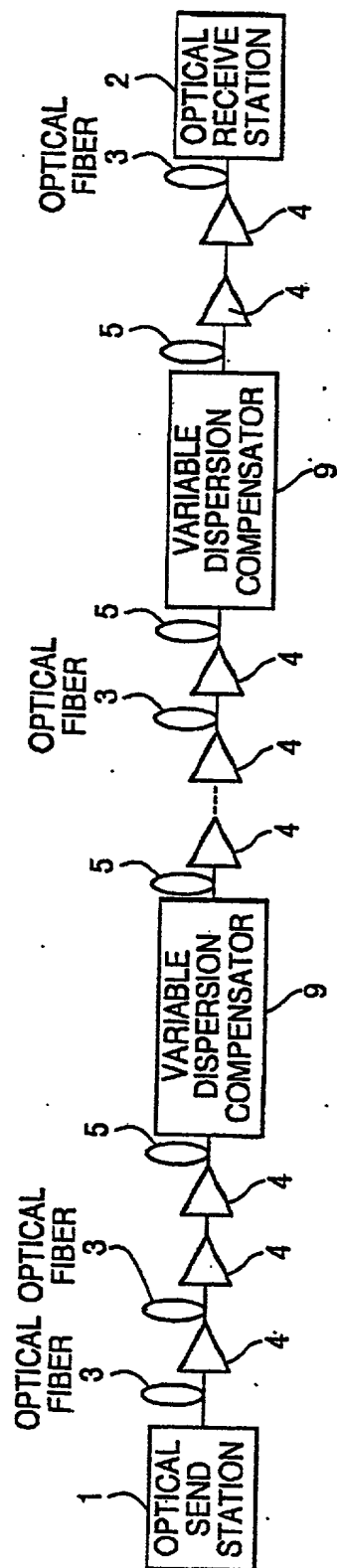
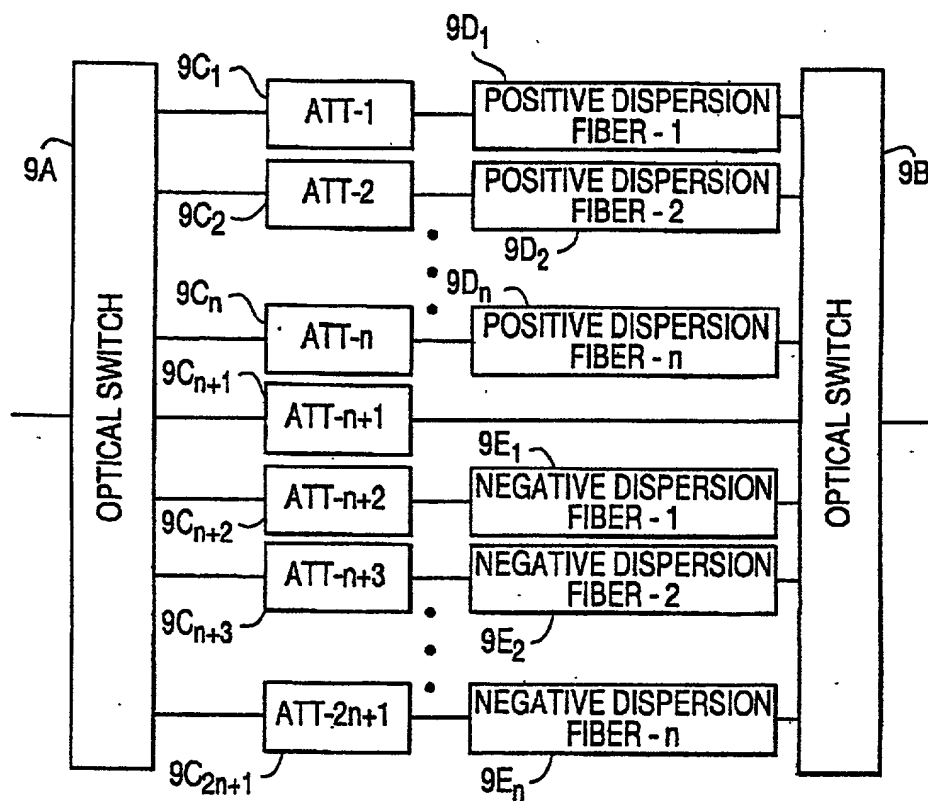
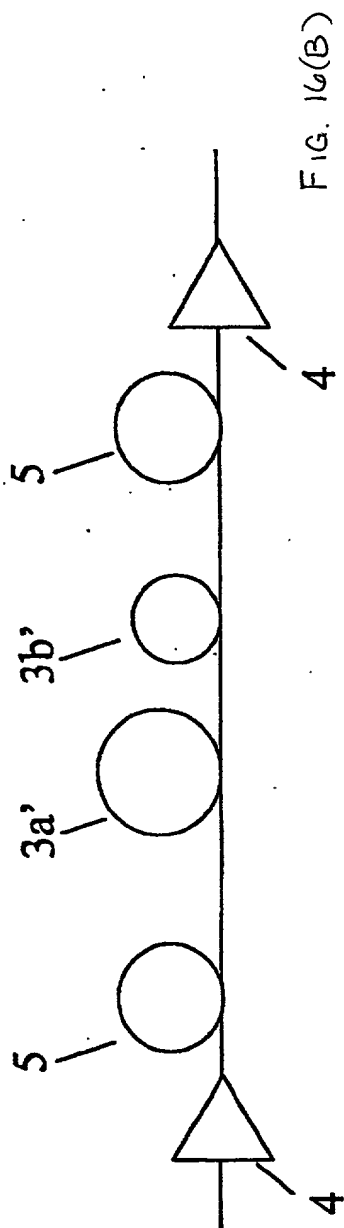
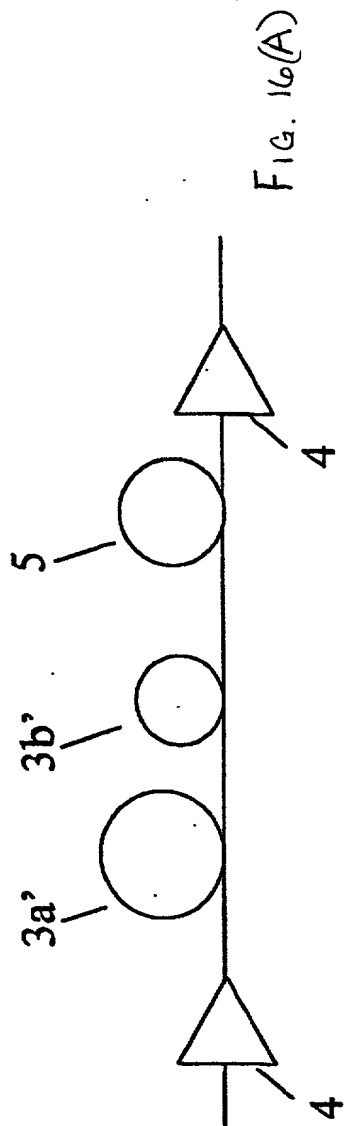


FIG. 15





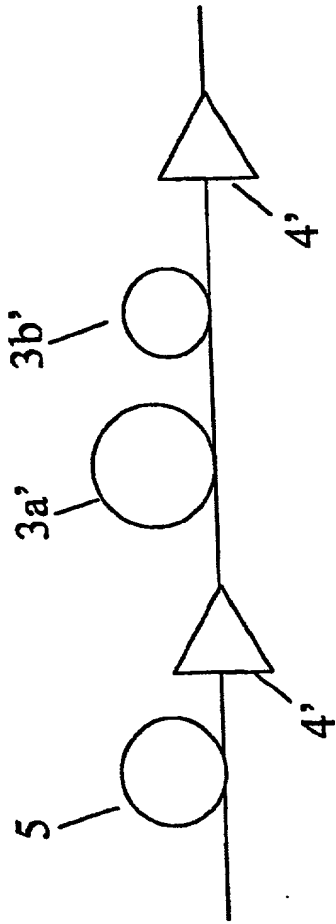


FIG. 17(A)

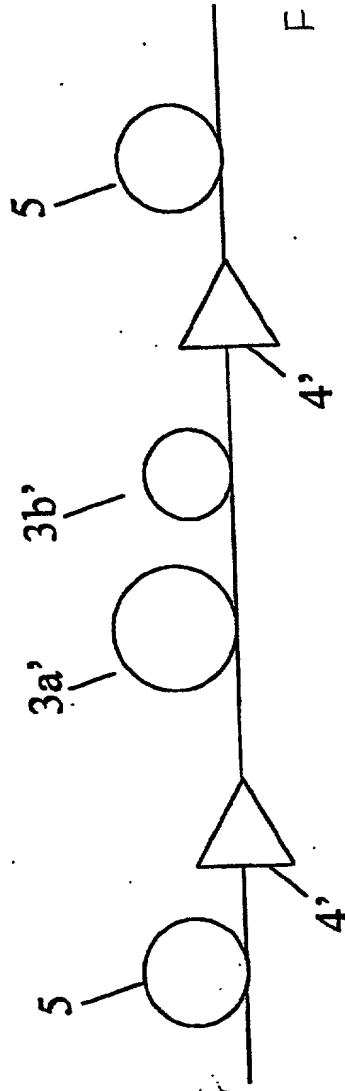


FIG. 17(B)